

Get ready for

Berkeley Engineering

Explore engineering careers with resources to learn which engineering major will be the best fit for you:

- National Academy of Engineering's Changing the Conversation
www.engineeringmessages.org
- Engaging Students in Engineering
www.engageengineering.org
- Try Engineering
tryengineering.org
- Engineering Undergraduate Guide (information about each major)
engineering.berkeley.edu/guide
- Engineering Departments
engineering.berkeley.edu/academics

Increase your understanding of STEM (science technology, engineering & mathematics) through activities such as:

- Join math, science, computer science or robotics clubs
- Explore Bay Area K-12 STEM opportunities through:
 - YouSTEM for San Francisco Bay Area:
youstem.org/main/discover/
 - Bay Area Teen Science: [facebook.com/BayAreaTeenScience](https://www.facebook.com/BayAreaTeenScience)
 - Bay Area Science Festival: bayareascience.org
 - Lawrence Hall of Science:
lawrencehallofscience.org/do_science_now
- Attend programs held annually at Cal such as:
 - Girls in Engineering Program at Cal: gie.berkeley.edu
 - Engineering focused session of the National School Leadership Conference: www.nslcleaders.org
 - Upward Bound Math Science Program or Talent Search Program: pctrio.berkeley.edu
 - United InnoWorks Academy: innoworks.org
 - Engineering focused session of the National Youth Leadership Forum: envisionexperience.com
- Attend the California State Summer School for Mathematics and Science (COSMOS) held on 4 UC campuses:
<http://cosmos-ucop.ucdavis.edu>



CalDay

Ways to Explore Berkeley Engineering

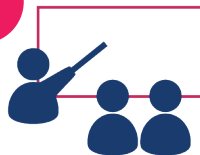
- “Like” Berkeley Engineering on Facebook: [facebook.com/berkeleyengineering](https://www.facebook.com/berkeleyengineering)
- Follow the college on Twitter: twitter.com/Cal_Engineer
- Learn more about Berkeley Engineering on YouTube: www.youtube.com/user/BerkeleyEngineering
- Participate in the 300+ workshops, presentations, demonstrations, or lab tours at Cal Day, our annual open house held each April: calday.berkeley.edu
- Attend engineering related programs hosted by Science@Cal: scienceatcal.berkeley.edu



Applying to Berkeley Engineering

4 Important Components

1



Become UC eligible by signing up for the right high school classes (15 A-G Courses required with 11 completed prior to the beginning of your senior year):

- **History/Social Science** - 2 years
- **English** - 4 years
- **Mathematics** - 3 years
(4 years including Calculus recommended for engineering)
- **Laboratory Science** - 2 years
(3 years including Physics recommended for engineering)
- **Language other than English** - 2 years
- **Visual & Performing Arts** - 1 year
- **College Preparatory Elective** - 1 year
(chosen from the subjects listed above or another course approved by the university)

2

Prepare for and take
(by December of senior year):

- SAT Reasoning Test or ACT with Writing (one of the two is required)
- SAT Math Subject 2 exam (recommended for engineering)

3

Get Involved

- Become a leader in high school clubs.
- Start a Young Maker's Club (makered.org/youngmakers), Girls Who Code Club (girlswhocode.com) or your own youth-led initiative.
- Become involved with community service by volunteering with organizations that help your community, since serving society is one of Berkeley Engineering's three guiding principles.

4

Write compelling responses to the UC Personal Insight Questions for freshman. Students will choose 4 of the 8 questions to respond to. Each response is limited to a maximum of 350 words. *All are given equal consideration in the application review process, which means there is no advantage or disadvantage to choosing certain questions over others.*

1. Describe an example of your leadership experience in which you have positively influenced others, helped resolve disputes, or contributed to group efforts over time.
2. Every person has a creative side, and it can be expressed in many ways: problem solving, original and innovative thinking, and artistically, to name a few. Describe how you express your creative side.
3. What would you say is your greatest talent or skill? How have you developed and demonstrated that talent over time?
4. Describe how you have taken advantage of a significant educational opportunity or worked to overcome an educational barrier you have faced.
5. Describe the most significant challenge you have faced and the steps you have taken to overcome this challenge. How has this challenge affected your academic achievement?
6. Describe your favorite academic subject and explain how it has influenced you.
7. What have you done to make your school or your community a better place?
8. What is the one thing that you think sets you apart from other candidates applying to the University of California?

Hints:

- For more information visit: UC Admissions, admission.universityofcalifornia.edu and UC Berkeley, College of Engineering Admissions, engineering.berkeley.edu/admissions
- Apply for the Phoenix Scholars Program that pairs UC Berkeley & Stanford students with HS juniors for college application mentoring: phoenixscholars.org.



Complete the Free Application for Federal Student Aid (FAFSA) by March 2 of your senior year (annually \$400 million in financial aid goes unclaimed in California and \$3 billion in federal financial aid goes unclaimed, according to theconversation.com in March 2015). Students who are not eligible to file a FAFSA and who qualify for the AB 540 Nonresident Supplemental Tuition exemption should apply for aid by completing the California Dream Act Application by March 2 at: caldreamact.org.